

EVAPORATIVE EMISSION SYSTEM INTEGRITY MODULE

ABSTRACT OF THE INVENTION

An evaporative emission control and leak detection system for a motor vehicle is provided. The system is in fluid communication with a fuel tank, an engine, and a carbon canister and includes an integrated valve module that is connected to the carbon canister and is in fluid communication with the atmosphere. The module provides for venting of the system when the system is exposed to predetermined high negative and positive pressure conditions, and a predetermined low negative pressure condition. The module also includes a switch that is operable to indicate when the system is in a high or low negative pressure condition for leak detection verification of the system.